THE 21 Ω THAT IS NOT YOUR ELECTRODE

MUST YOUR TT ROD BE UNDER 21 OHMS?

A number people misread constantly. **On-Site Guide** · p.14 :

> `21 Ω is the distributor's electrode at the supply transformer`

For supplies up to 100 A, 21 Ω is the usual stated maximum resistance of the **DNO's** earth electrode at their transformer — their star point, on the supply side. It is **not** a limit on the rod in your customer's garden.

FIGURE	WHAT IT ACTUALLY LIMITS
21 Ω	The DNO's electrode at the transformer
Up to 200 Ω	Your TT electrode reading — anything from near zero upward
0.8 Ω / 0.35 Ω	Maximum Z_e for TN-S and TN-C-S — different systems entirely

Why it causes confusion.
An electrode reading of, say, 16 Ω sits beside the 21 Ω figure, and it is easy to conclude yours must stay under 21. It does not. Read which electrode the sentence is talking about.

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